

- 1717 ~~Gerania~~ *Chloraea* sp.  
 1718 ~~Gerania~~ *Bipinnula plumosa* Lindl.  
 1719 *Agoseris* (*Troximon chilense* Gray)  
 1720 " " "  
 1720b *Microseris pygmaea* Don  
 1721 *Senecio* sp. ~~sterile~~  
 1722 *Adesmia* sp.  
 1723 *Lathyrus subandinus* Ph.  
 1724 *Cerastium arvense* L.  
 1725 *Alstroemaria* sp.  
 1726 ~~Brodiaea~~ *Brodiaea violacea* (Kunth) Baker  
 1727 *Leucocoryne montana* Ph.  
 1728 *Tropaeolum brachyceras* H. & A.  
 1729 *Oxalis micrantha* Bertero  
 1730 *Sisyrinchium* ~~Sisyrinchium~~ sp.  
 1731 *Sisyrinchium* sp.  
 1732 *Senecio* sp.  
 1733 *Baccharis rosmarinifolia* H. & A.  
 1734 *Stachys sericea* Cav.  
 1735 ~~Pinus~~ *Schinus* sp.  
 1736 *Azara Gilliesii* H. & A.  
 1737 ~~Urtica~~ *Torilis nodosa* (L.) Gaertn.  
 1738 *Galium suffruticosum* H. & A.  
 1739 *Polemonium gayanum* (Wedd.) Brand  
 1740 *Colletia spinosa* Lam.  
 1741 ~~Urtica~~ *Diposis bulbocastanum* DC.  
 1742 *Loasa tricolor* Nes, var.  
 1743 *Bowlesia runcinata* Colla  
 1744 ~~Urtica~~ *Kageneckia angustifolia* Don.  
 1745 *Baccharis concava* DC.

- 1746 *Senecio glabratus* ~~Hort~~  
 1747 *Tetragonia expansa* Murr.  
 1748 *Dioscorea* sp. no flowers nor fruit.  
 1749 ~~Bordea~~ *Brodiaea subbiflora* (Calla) Baker  
 1750 ~~Brodiaea~~ *Brodiaea porrifolia* (Poepp.) Meigen  
 1751 ~~Gilliesia~~ *Gilliesia graminea* Lindl.  
 1752 *Lobelia polyphylla* ~~Hort~~  
 1753 *Mathewsia foliosa* ~~Hort~~  
 1754 ~~Garcia~~ *Carica chilensis* (Planch.) Solms-Laub.  
 1755 *Baccharis concava* DC.  
 1756 ~~euphorb~~ *Chiropteron tricuspidatum* (Lam.) Juss.  
 1757 *Griselinia scandens* (R. & P.) Tamb.  
 1758 *Solanum* sp.  
 1759 ~~euphorb~~ *Mercurialis annua* L.  
 1760 *Solanum marginatum* L.  
 1761 *Chenopodium ambrosioides* L.  
 1762 *Rumex cuneifolius* Campd.  
 1763 *Oxalis cornuta* Thunb.  
 1764 *Erodium moschatum* (L.) l'Herit.  
 1765 *Ranunculus muricatus* L.  
 1766 ~~Stellaria~~ *Stellaria cuspidata* Willd.  
 1767 *Dioscorea Bridgesii* Greene.  
 1768 ~~amar~~ *Hippiastrum*  
 1768 *Plantago* sp.  
 1769 *Godetia tenella* (Cav.) Steud.  
 1770 ~~carp~~ *Polycarpum tetraphyllum* L.  
 1771 *Trifolium glomeratum* L.  
 1772 *Chaetanthra incana* Poepp.  
 1773 ~~Pentstemon~~ *Cardionema maximum* (Vernum.) Nels. & Macbr.  
 1774 *Aplopappus chrysanthemifolius* (Less.) DC.

- ✓ 1775 *Lycium chilense* Miels  
1776 *Loasa tricolor* Ker, var.  
1777 *Baccharis Macraei* H & A.  
1778 *Stachys sericea* Cav.  
1779 *Azara Gilliesii* H & A  
1780 *Aplopappus* sp.  
1781 *Psilocarphus chilensis* (Penny) Reiche.  
1782 *Atriplex coquimbana* V. Ph.  
1783 *Heliotropium curassavicum* L.

continued in no 1907

- 1907 Baccharis *Pingraea* DC.
- 1908 Frankenia *salina* (Mol.) Johnston
- 1909 Amaranthus sp. Very interesting plant - but specimen poor.
- 1910 ~~oncid~~ *Bipinnula fimbriata* (Poepp.) Johnston
- 1911 Azorella sp. no flowers nor fruit
- 1912 Aplopappus *integerrimus* (H. & A.) Hall
- 1913 Verbena *sulphurea* Don
- 1914 ~~Salpiglossis~~ *Salpiglossis sinuata* R. & P.
- 1915 ~~Distichlis~~ *Paspalum dasypleurum* Kunze
- 1916 ~~grasses~~ *Panicum Urvilleanum* Kunth.
- 1917 Galium *cotinoides* C. & S.
- 1918 Eragrostis *peruviana* (Jacq.) Trin.
- 1919 *Paspalum flavum* Presl

- 2589 *Nolana villosa* (Ph.) Johnston  
2590 *Nolana aplocaryoides* (Gaud.) Johnston  
2591 *Heliotropium pycnophyllum* Ph.  
2592 *Cristaria integerrima* Ph.  
2593 *Frankenia chilensis* Presl, var. *asper* (Ph.) Johnston  
2594 *Nolana*  
2595 *Nolana mollis* (Ph.) Johnston  
2596 *Nolana ramosissima* ?  
2597 *Nolana salsoloides* (Lindl.) Johnston  
2598 *Nolana sedifolia* Poeppig  
2599 *Polyachyrus roseus* Ph.  
2600 *Ophryosporus triangularis* Meyen  
2601 *Chenopodium hastatum* Ph.  
2602 *Tetragonia maritima* Barn.  
2603 *Euphorbia lactiflua* Ph.  
2604 *Heliotropium Jaffuelii* Johnston — data incorrect?  
2605 *Spergularia* sp.  
2606 *Sappiglossis*  
2607 *Silvaea amarentoides* Ph.  
2608 *Verbena atacamensis* Reiche  
2609 *Cephalophora litoralis* Ph.  
2610 unrecognized. Plant too fragmentary  
2611 *Perityle Emoryi* Torr. var. *elata* (Ph.) Johnston  
2612 *Adesmia eremophila* Ph.  
2613 *Gypothamnium pinifolium* Ph.  
2614 *Teucrium nudicaule* Hook.  
2615 *Nolana*  
2616 *Puya boliviensis* Baker  
2617 *Oxalis*

*Make clear*  
Plants from Antofagasta collected by Father Jaffuel, Nov. 6, 1931.

determined by I. M. Johnston

- 2618 Gymnophyton *foliosum* Ph  
2619. Perityle Emoryi Torr. var. elata (Ph.) Johnston  
2620 Nolana peruviana (Gaud.) Johnston  
2621 Dinemandra ericoides Juss.  
2622 Ophryosporus triangularis Meyen  
2623 Ephedra sp. no fruit  
2624 Nolana sp. = no. 2643.  
2625 Nolana *inconspicua* Johnston mixed with *N. linearifolia* Ph.  
2626 ~~Nolana aplocaryoides (Gaud.) Johnston~~  
2627 Frankenia chilensis Presl var. asper (Ph.) Johnston  
2628 Cruckshanksia pumila Clos  
2629 Alstroemeria violacea Ph.  
2630 Solanum brachyantherum Ph.  
2631 Quinchamalium carnosum Ph.  
2632 ~~Loasa~~ Loasa sessiliflora Ph.  
2633 Domeykoa oppositifolia Ph.  
2634 *Quinchamalium?*  
2635 Schizanthus lacteus Ph.  
2636 Loasa chilensis (Gay) Urb. — new to Nitrate Coast!  
2637 Gymnophyton *foliosum* Ph  
2638 Hoffmanseggia gracilis (R. & P.) H. & A.  
2639 Heliotropium *crenatum* n.sp.  
2640 Nolana sedifolia (Poepp.) Johnston  
2641 Tetragonia maritima Barn.  
2642 Polyachyrus roseus Ph.  
2643 Nolana sp. apparently undescribed.

2998  
2714  

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284

Copy

- 2644 Paronychia *coquimbensis* Gay
- 2645 Chenopodium *sp.*
- 2646 Galium *sp.* no fruit.
- 2647 Spergularia *fruticosa* Ph.
- 2648 caryop
- 2649 Cardionema *ramosissima* (Weinm.) Nels. & Macbr.
- 2650 Senecio *Brunonianus* H. & A.
- 2651 Nolana *sedifolia* Poepp.
- 2652 Malesherbia *humilis* Don
- 2653 Malvastrum *peruvianum* (L.) Gray
- 2554 Bahia *ambrosioides* Lag.
- 2655 ~~some~~ *Amsinckia hispida* (R. & P.) Johnston + *Cryptantha clandestina* (Trev.) Johnston x *Cryptantha linearis* (Colla) Greene
- 2656 Calandrinia *capitata* H. & A.
- 2657 Oenothera *contorta* Dougl.
- 2658 ~~lyth~~ *Pleuraphora pusilla* H. & A.
- 2659 Cerastium *viscosum* L.
- 2660 ~~phitol~~ *Amsomeria littoralis* Moq.
- 2661 Pectocarya *linearis* (R. & P.) DC
- 2662 Stachys *eremicola* Epling
- 2663 Medicago *hispida* Gaertn. var.
- 2664 Erodium *moschatum* L'Her.
- 2665 " *botrys* (var.) Bert.
- 2666 " " " "
- 2667 Carex *setifolius* Kunze
- 2668 ~~comp~~ *Soliva sessilis* R. & P.
- 2669 Calandrinia *capitata* H. & A.
- 2670 Dichondra *repens* Forst.
- 2671 Spergularia *coquimbensis* Ph.
- 2672 Calandrinia *sp.* inadequate material
- 2673 " *sp.* " "



- 2674 *Aplopappus* sp.? no flowers.  
 2675 *Oxalis micrantha* Bertero  
 2676 *Gnaphalium sphacelatum* HBK. var. *chilensis* DC.  
 2677 *Cristaria Urmenetae* Ph.  
 2678 ~~Sphaeralcea~~ *Sphaeralcea obtusiloba* (Hook.) Don  
 2679 *Oenothera coquimbensis* Gay  
 2680 *Plantago littorea* Phil.  
 2681 *Gnaphalium heterophyllum* Phil.  
 2682 *Psilocarphus chilensis* (Remy) Reiche  
 2683 *Convolvulus dissectus* Cav.  
 2684 *Cephalophora Urmenetae* Phil.  
 2685 *Solanum* sp.  
 2686 *Heliotropium stenophyllum* H. & A.  
 2687 *Ophryosporus triangularis* Meyen  
 2688 *Amblyopappus pusilla* H. & A.  
 2689 *Chaetanthera linearis* Poepp.?  
 2690 ~~polygon~~ *Lastarriaea chilensis* Remy  
 2691 ~~comp~~ *Moscharia pinnatifida* R. & P.  
 2692 *Chiropetalum Berteroana* Schlect.  
 2693 *Cassia Closiana* Ph.  
 2694 *Verbena sulphurea* Don  
 2695 - - - - -  
 2696 *Nicotiana* sp.  
 2697 *Gilia laciniata* R. & P.  
 2698 *Senecio glanduloso-hirtellus* Reiche  
 2699 " sp.  
 2700 *Parietaria debilis* Forst.  
 2701 *Oxalis micrantha* Bertero  
 2702 *Llagunoa glandulosa* (H. & A.) Don.  
 2703 *Erigeron Berterianus* DC.



## Plants of Concepcion collected by Father Jaffuel in 1931

- 2896 Plantago *sp.*
- 2897 Plantago lanceolata L.
- 2898 Geranium *sp.*
- 2899 ~~Eryngium~~ Sherardia arvensis L.
- 2900 Valeriana *sp.*
- 2901 Viola capillaris Pers.
- 2902 Valeriana crispa R. & P.
- 2903 Ranunculus chilensis DC.
- 2904 Solanum *sp.*
- 2905 ~~Loranth~~ Phrygilanthus heterophyllus (R. & P.) Eichler
- 2906 Oenothera dentata Cav.
- 2907 Stachys pannosa Ph.
- 2908 Astragalus prostratus H. & A.
- 2909 ~~phytol~~ Ercilla spicata (Bertero) Moq.
- 2910 Lotus corniculata L.
- 2911 ~~umb~~ Centella triflora (R. & P.) Munz.
- 2912 Spergularia campestris Willd. & Lange.
- 2913 Apium *sp.*
- 2914 ~~germer~~ Sarmienta repens R. & P.
- 2915 Tropaeolum ciliatum R. & P.
- 2916 ~~orchid~~ Chloraea Piquichan Lindl.? dit Ames.
- 2917 Lepidium *sp.* cf. no. 2920
- 2918 ~~crucif~~ Coronopus didymus (L.) Smith
- 2919 Calandrinia glauca Schrad.
- 2920 Lepidium *sp.* cf. sub. no. 3045
- 2921 Aster Vahlil Hook.
- 2922 Oxalis rosea Jacq.
- 2923 Lythrum ~~lythrum~~ lythrumifolium L.
- 2924 Tetragonia expansa Aiton

- 2925 *Armeria andina* Poepp.  
 2926 *Senecio nigrescens* H. & A.  
 2927 *Eupatorium glechonophyllum* Less.  
 2928 *Convolvulus Soldanella* L.  
 2929 ~~myrt~~ *Myrcogenia obtusa* (H. & A.) DC.  
 2930 *Relbunium hypocarpium* (L.) Hemsl.  
 2931 *Veronica anagallis-aquatica* L.  
 2932 *Franseria bipinnatifida* Nutt.  
 2933 *Polygonum chilense* Koch  
 2934 *Dioscorea* sp.  
 2935 ~~Franseria~~ *Franseria sonchifolia* Cav.  
 2936 ~~rub~~ *Aldelandia chesipolia* (H. Hil.) Schum.  
 2937 *Oxalis* sp.  
 2938 *Sisyrinchium* sp.  
 2939 *Trifolium* sp. a very interesting plant.  
 2940 ~~Myrt~~ *Stachys pannosa* Ph.  
 2941 *Ranunculus chilensis* DC.  
 2942 ~~rub~~ *Nertera depressa* Banks. & Sol.  
 2943 ~~eruc~~ *Sisymbrium litorale* Ph.  
 2944 *Mimulus* sp.  
 2945 *Loasa acanthifolia* Desv.  
 2946 *Juncus bufonius* L.  
 2947 *Scirpus inundatus* Poir.  
 2948 *Juncus cyperoides* Laharpe  
 2949 *Juncus planifolius* R. Br.  
 2950 *Scirpus riparius* Presl  
 2951 *Carex pseudo-cyperus* L.  
 2952 *Distichlis thalassia* (HBK.) Desv.  
 2953 *Carex pumila* Thunb.  
 2954 ~~Carex~~ *Eleocharis pachycarpa* Desv.

- 2955 Eleocharis *sp.*  
2956 Eleocharis *sp.*  
2957 Convolvulus *Sepium* L.  
2958 Scirpus *inundatus* Poir.  
2959 Juncus *bufonius* L.  
2960 Scirpus *nodosus* Rottb.  
2961 Uncinia *phleoides* (var.) Pers.  
2962 Juncus *cyperoides* Laharpe  
2963 Juncus *imbricatus* Laharpe  
2964 ~~Cerastium~~ *Stellaria cuspidata* Willd.  
2965 Dichondra *repens* Forst.

Plants from Concepcion collected by Father Jaffuel in 1931.

- 2966 Mimulus ~~sp.~~ *Centella triflora* (R. & P.) Nannf.  
 2967 ~~umb.~~  
 2968 ~~myrt~~ *Ugni Molinal Turcz.*  
 2969 ~~sp.~~ " " "  
 2970 ~~sp.~~ *Eugenia perrifolia* DC.  
 2971 Rumex *cuneifolius* Campd.  
 2972 Rumex *conglomeratus* Murray  
 2973 Convolvulus *Hermanniae* L'Herit.  
 2974 Lobelia *tupa* L.  
 2975 Cassia ~~sp.~~ *stipulacea* Aiton  
 2976 Hypericum *crispitatum* C. & S.  
 2977 Linum *Macraei* H. & A.  
 2978 Teucrium *bicolor* Smith  
~~Quinchamalium~~ 2979 *Quinchamalium chilense* Molina  
 2980 ~~Chenopodium~~ *Atriplex hastatum* L.  
 2981 Convolvulus *sepium* L. ~~sp.~~  
 2982 Nothoscordium *gramineum* (Sims.) Beauv.  
 2983 ~~comp.~~ *Lapsana communis* L.  
 2984 Verbena ~~sp.~~  
 2985 Gnaphalium *americanum* Mill.  
 2986 Crepis *capillaris* (L.) Walbr.  
 2987 Cardamine ~~sp.~~  
 2988 Anagallis *arvensis* L.  
 2989 Erigeron *Coryza chilensis* Spreng.  
 2990 ~~Melilotus~~ *Medicago lupulina* L.  
 2991 ~~Spergularia~~ *Polycarpon tetraphyllum* L..  
 2992 *Spergularia Liebmanniana* (Lange) Rohrb.  
 2993 *Prunella vulgaris* L.

XXXXXXX

2648 *Polycarpon tetraphyllum* L.

26.7

25.7

25.7

25.7

21.7

21.7

21.7

- 2714 Senecio *rutaceus* Ph.  
 2715 Senecio *chilensis* Less.  
 2716 Senecio *sp.* = no. 2741  
 2717 Erigeron *sp.*  
 2718 Senecio *sp.*  
 2719 ~~Mat~~ *Nassauvia* *Lagascae* (Gillies) Meigen  
 2720 Comp *Lagenophora* *hercata* Poepp.  
 2721 Senecio *sp.*  
 2722 *Perezia* ~~*pedicularifolia* Less.~~ *lyrata* (Remy) Wedd.  
 2723 *Perezia* ~~*pedicularifolia* Less.~~  
 2724 *Perezia* *pedicularifolia* Less.  
 2725 Aster *glabrifolius* (DC.) Reiche  
 2726 Erigeron *andicola* DC.  
 2727 Baccharis *sp.*  
 2728 Gnaphalium *sp.*  
 2729 ~~Mat~~ *Nassauvia* *Lagascae* (Gillies) Meigen  
 2730 Comp *Gnaphalium* ~~*sp.*~~ *serpyllifolium* Remy.  
 2731 Baccharis *rhethinodes* Walp.  
 2732 Comp *Lucilia* *chilensis* H. & A.  
 2733 ~~mat~~ *Nassauvia* *aculeata* Poepp. & Endl.  
 2734 ~~Senecio~~ *Aster* *glabrifolius* (DC.) Reiche  
 2735 Hypochaeris *sp.*  
 2736 ~~mat~~ *Nassauvia* *lycopodioides* Ph.  
 2737 Gnaphalium *cheiranthifolium* Lam.  
 2738 Baccharis *sp.*  
 2739 Hypochaeris *odorata* (Poepp.) B. & H.  
 2740 Baccharis *sp.* = no. 2727.  
 2741 Senecio *sp.*  
 2740 Nothofagus *pumilio* (Poepp. & Endl.) Krauss  
 2743 Azara *alpina* Poepp. & Endl.

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~~page~~ sheet



Banos de Chillan -- Father Jaffuel 1933

- 2744 Nothofagus *Dombeyi* (Mirb.) Blume  
2745 " " " "  
2746 Azara *alpina* Poepp. & Endl.  
2747 " " " "  
2748 *Sisyrinchium* sp.  
2749 " sp?  
2750 *Geranium* sp.  
2751 *Ephedra* *andina* Poepp.  
2752 *Wendtia* *Reynoldii* Endl.  
2753 *Dioscorea* *brachybotrya* Poepp.  
2754 *Perinettya* *mucronata* DC  
2755 " *myrtelloides* (Poepp. & Endl.) Zucc.  
2756 *Equisetum* *bagense*  
2757 *Lychnis* sp.  
2758 *Viola* *cotyledon* Gingin.  
2759 *Cerastium* *arvense* L., var.  
2760 *Arenaria* *serpens* HBK.  
2761 " " "  
2762 *Calceolaria* *foliosa* Th.  
2763 " *biflora* Lam.

Plants from the Termas de Chillan collected by Father Jaffuel in 1933

Determined by I. M. Johnston July, 1936

- 2764 Calceolaria *glandulosa* Poepp. ?  
 2765 Mimulus *luteus* L.  
 2766 Calceolaria *fulva* Ph.  
 2767 Calceolaria *Volckmannii* Ph.  
 2768 Scroph. *Oxysia Poeppigii* Benth.  
 2769 Lathyrus *Vicia heterophyllus* Ph.  
 2770 Adesmia *radicifolia* Clos  
 2771 ~~Lathyrus~~ *Lathyrus multiceps* Clos  
 2772 Vicia *apiculata* Ph.  
 2773 ~~Lathyrus~~ ~~*multiceps* Clos~~ *Vicia heterophyllus* Ph.  
 2774 Adesmia *emarginata* Clos.  
 2775 Lathyrus *multiceps* Clos.  
 2776 Stachys *Gilliesii* Benth.  
 2777 Loranthus *sp.*  
 2778 Myzodendron *oblongifolium* DC.  
 2779 ~~Eric~~ *Pernettya*  
 2780 Loas. *Cajophora silvestris* Urban & Gilg.  
 2781 Loasa *lateritia* Gillies  
 2782 Loasa *filicifolia* Poepp.  
 2783 Polygala *thesioides* Willd.  
 2784 Calandrinia *Jayana* Bern.  
 2785 Calandrinia "  
 2786 Calandrinia *Jayana* Bern.  
 2787 Calandrinia " "  
 2788 Calandrinia *sericea* H. & A.  
 2789 Armeria *andina* (Poepp.) Rendle  
 2790 ~~Oreoid~~ *Asarca Commersonii* Hook. f.  
 2791 Epilobium *pauciflorum* Phil.

4

- 2792 Epilobium *glaucum* Ph.
- 2793 Oxalis *valdiviensis* Barn.
- 2794 Epilobium *pauciflorum* Phil.
- 2795 ~~Reich~~ *Lomatia chilensis* Gay
- 2796 Quinchamalium *sp.*
- 2797 Quinchamalium *sp.*
- 2798 Galium *hypnoides* Clos.
- 2799 Relbunium *hypocarpum* (L.) Hemsl.
- 2800 Acaena *macrocephala* Poepp.
- 2801 Solanum *etuberosum* Lindl.
- 2802 Senecio *Lastarianus* Remy?
- 2803 Senecio *sp.*
- 2804 Senecio *gayanus* DC.
- 2805 Perezia *nutans* Less.
- 2806 Leucheria *thermarum* (Ph.) Reiche
- 2807 Aplopappus *marginalis* Ph.
- 2808 Perezia *pilifera* H. & A.
- 2809 Leucheria *purpurea* DC.
- 2810 Collomia *biflora* (R. & P.) Brand
- 2811 Senecio *hieracium* Remy.
- 2812 Erigeron *andicola* DC.
- 2813 Aster *glabrifolius* (DC.) Reiche
- 2814 Senecio *sp.* = no. 2718.
- 2815 Senecio *sp.*
- 2816 Senecio *sp.* = 2815
- 2817 ~~Gelycerac.~~ *Gemocarpha angustifolia* Ph.
- 2818 Senecio *purpuratus* Ph.
- 2819 Calandrinia *Cumingii* H. & A.
- 2820 Hypochaeris *sp.* = no. 2735.
- 2821 Mutisia *decurvens* Cav.

- 2822 Schizanthus *Hookeri* Gillies  
 2823 Ribes *cucullatum* H. & A.  
 2824 Escallonia *rasea* Griseb.  
 2825 Muhlenbeckia *hastulata* (Sm.) Johnston  
 2826 Ribes *magellanicum* Poir.  
 2827 Escallonia *Carmelita* Meyen  
 2828 Ranunculus *peduncularis* Sm.  
 2829 Anemone *multifida* Poir.  
 2830 ~~calyc~~ Boopis *spathulata* Ph.  
 2831 ~~calyc~~ Gamocarpha *alpina* (Poepp.)  
 2832 ~~umb~~ Huanaca *andina* Phil.  
 2833 Geranium *sessiliflorum* Cav.  
 2834 Osmorrhiza *Berteri* DC.  
 2835 Caltha *andicola* (Gay) Walp.  
 2836 Asteriscium *Pogoa hydrocotylifolia* Bridges  
 2837 ~~umb~~ Myrrhis *Rensifoana* Phil.  
 2838 ~~umb~~ Sanicula *graveolens* Poepp.  
 2839 ~~umb~~ Mulinum *spinosum* (Cav.) Pers.  
 2840 Geranium *sessiliflorum* Cav.  
 2841 Viola *cotyledon* Gingin.  
 2842 Calceolaria *sp.*  
 2843 ~~comp~~ Lagenophora *hirsuta* Poepp.  
 2844 Viola *maculata* var *pubescens* Reiche.  
 2845 Gunnera *magellanica* Lam.  
 2846 Anagallis *alternifolia* Cav.  
 2847 ~~unrec~~ Ourisia *breviflora* Benth.  
 2848 Calceolaria *sp.*  
 2849 Gunnera *magellanica* Lam.  
 2850 Adesmia *compacta* Ph.

- 2851 ~~unrec~~ *Lomata chilensis* Gay
- 2852 *Escallonia rosea* Griseb
- 2852 *Juncus* sp. ?
- 2854 *Pernettya leucocarpa* DC.
- 2855 ~~junc~~ *Andesia bisexualis* Hauman ?
- 2856 *Arenaria serpens* HBK.
- 2857 ~~comp.~~ *Lagenophora Commersonii* Cass.
- 2858 *Heliotropium paronychioides* A. DC.
- 2859 *Valeriana carnosia* Sm.
- 2860 *Valeriana lasyflora* DC.
- 2861 unrecognized.
- 2862 *Vicia heterophyllus* Ph.
- 2863 ~~oraria~~ *Pagonia tetraphylla* Poepp. & Endl.
- 2864 *Veronica serpyllifolia* L.
- 2865 ~~comp~~ *Adenocaulon chilense* Less.
- 2866 *Euphrasia chrysantha* Ph.
- 2867 *Saxifraga Pavonii* Don
- 2868 *Maytenus disticha* Urban
- 2869 ~~seroph~~ *Onuris breviflora* Benth.
- 2870 ~~Pernettya~~ *Empetrum rubrum* Willd.
- 2871 ~~seroph~~ *Onuris microphylla* Poepp. & Endl.
- 2872 *Pernettya* -
- 2873 *Solanum* ? no flowers nor fruit.
- 2874 *Dioscorea* sp.
- 2875 *Calandrinia Cumingi* H. & A.
- 2876 *Osmorrhiza Bertonii* DC.
- 2877 *Vicia heterophyllus* Ph

Plants of Chillan from Father Jaffuel -- 1933

& Father Falippon 1936

- 2878 Polystichum <sup>(Boryl de Saint-Vincent)</sup> ~~mohrioides (Poepp.) Th.~~ var. *plicatum* (Poepp.) Chr.
- 2879 " " " "
- 2880 " " " "
- 2881 " " " "
- 2882 ~~fern~~ *Blechnum penna-marina* (Poir.) Kuhn
- 2883 ~~fern~~ no spores.
- 2884 ~~umb.~~ *Pozoa hydrocotylifolia* Bridges
- 2885 *Viola Buchtenii* Gand.
- 2886 *Valeriana macrorrhiza* Poepp.
- 2887 *Ephedra andina* Poepp.
- 2888 *Epilobium glaucum* Th.
- 2889 *Carex decidua* Boott.
- 2890 *Cardamine* sp.
- 2891 *Ourisia Poeppigii* Benth.
- 2892 *Mimulus luteus* L.
- 2893 *Ourisia macrophylla* Poepp. & Endl.
- 2894 *Nassauvia lycopodioides* Ph.
- 2895 *Arenaria serpens* HBK.

Mount. Buchen  
Plant of Chillan  
collected by  
Jaffuel & Falippon  
in 1936

insert this  
new  
heading

Cordilleras of Santiago -- Plants collected by Father Pirion 1933

- 2994 Aplopappus *Poeppigianus* (H. & A.) Gray  
2995 ~~euphorb~~ *Colliguaya salicifolia* Gill. & Hook.  
2996 Baccharis *Macraei* H. & A.  
2997 Aplopappus *chrysanthemifolia* DC.  
2997 Tagetes *minuta* L.  
2998 Aplopappus *rotundifolia* Hall.

Plants of Marga-Marga collected by Father Jaffuel and Father Pirion

- 2999 ~~comp-inul~~ *Psilocarphus chilensis* (Remy) Meigen
- 3000 *Sanicula graveolens* DC.
- 3001 *Stachys grandidentata* Lindl.
- 3002 *Dioscorea saxatilis* Poepp.?
- 3003 *Carex setifolius* Kunze var *pungens* (Bock.) Kük. & Schumacher
- 3004 *Lythrum* ~~sterile~~ probably Polygalaceae.
- 3005 *Cardamine chilensis* DC.
- 3006 ~~Scirpus~~ *Cyperus reflexus* Vahl.
- 3007 ~~C-nysa~~ *Erigeron* sp. = no. 3221
- 3008 *Exalis* *lucida* H. & A.
- 3009 *Calandrinia compressa* Schrad.
- 3010 *Tropaeolum brachyceras* H. & A.
- 3011 ~~Nothoscordum~~ *Brodiaea subbiflora* (Colla) Baker
- 3012 ~~orchid~~ *Chloraea galeata* Lindl. det Ames
- 3013 ~~comp~~ unrecognized. sterile
- 3014 *Lathyrus Hookeri* Don
- 3015 *Eleocharis palustris* R. Br.
- 3016 ~~comp~~ *Lasthenia obtusifolia* Cass.
- 3017 *Adesmia microphylla* H. & A.
- 3018 *Senecio Cumingii* H. & A. = no. 557!
- 3019 *Cassia Closiana* Ph.
- 3020 *Luzula chilensis* Nees & Meyen.
- 3021 *Astragalus procumbens* H. & A.
- 3022 ~~III~~ *Leucocoryne montana* Phil.
- 3023 ~~asel~~ *Tweedia confertiflora* Malme? too young!
- 3024 *Valeriana papilla* Bertero
- 3025 *Puya chilensis* Molina (flowers) + *P. coerulea* Lindley (leaves)
- 3026 *Gnaphalium cymatoides* Kunze
- 3027 *Potamogeton Gayi* Benn.
- 3028 *Mimulus glabratus* HBK., var.



- 3029 ~~rhama~~ *Retamilla ephedra* Bogn.  
 3030 ~~santal~~ *Myoschilos oblongum* R. & P.  
 3031 *Berberis actinacantha* Mart. var. *crispa* (Gay) Reiche  
 3032 *Vicia pallida* H. & A. = no. 249.  
 3033 *Picris echinoides* L.  
 3034 *Senecio vulgaris* L.  
 3035 ~~Taraxacum~~ *Taraxacum vulgaris* (Lam.) Schrenk.  
 3036 ~~Spergula~~ *Spergula arvensis* L. 3036  
 3037 ~~rit~~ *Miersia chilensis* Lindl.  
 3038 *Sonchus oleraceus* L.  
 3039 ~~limosella~~ *Libocopsis sinuata* Hill.  
 3040 ~~lardazab~~ *Lardizobala bitermata* R. & P.  
 3041 ~~Loasa~~ *Loasa floribunda* H. & A.  
 3042 *Aristolochia chilensis* Miers.  
 3043 *Acaena trifida* R. & P.  
 3044 ~~lorenta~~ *Phrygilanthus tetrandrus* (R. & P.) Eichler  
 3045 *Lepidium* sp. = no. 3059. This genus is being monographed and all four specimens are away on loan. I shall send you specimens of *Lepidium* for study of Mr. Hitchcock.  
 3046 ~~fern~~ *Notholaena tomentosa* Desv. (= *N. hypoleuca* Kunze)  
 3047 *Carex setifolius* Kunze var. *pungens* (Boeck.) Kuhn.  
 3048 *Adesmia* ~~prosa~~ *propinqua* Cels.  
 3049 ~~rhama~~ *Colletia hystrix* Gillies  
 3050 *Cardamine tuberosa* DC.  
 3051 ~~Loasa~~ *Ribes punctatum* R. & P.  
 3052 *Carex setifolius* Kunze var. *typica*  
 3053 ~~euph~~ *Colliguaya odorifera* Molina  
 3054 *Sisyrinchium* sp.  
 3055 *Geranium Berterianum* Colla.  
 3056 *Cardamine chilensis* DC.

- 3057 *Juncus cyperoides* Laharpe  
 3058 *Baccharis marginalis* DC.  
 3059 *Lepidium* sp. = no. 3045  
 3060 ~~amar.~~ *Tecophilaea violacea* Bertero  
 3061 *Mallesherbia linearifolia* (Cav.) Poir.  
 3062 *Capsella Bursa-pastoris* L.  
 3063 *Eschscholtzia californica* Cham.  
 3064 *Pectocarya linearis* (R. & P.) DC.  
 3065 *Vivienia petiolata* H. & A.  
 3066 *Cuscuta chilensis* Ker. - Gaw.  
 3067 *Nicotiana* sp.  
 3068 *Lactuca scariola* L.  
 3069 *Mentha Pulegium* L.  
 3070 *Dryopteris argentina* (Hieron.) C. Chr.  
 3071 *Amaranthus hybridus* L.  
 3072 ~~ai-zoe~~ *Glinus radiatus* (R. & P.) Polak.  
 3073 ~~liliac~~ *Miersia chilensis* Lindl.  
 3074 *Sophora macrocarpa* Smith.  
 3075 ~~monim~~ *Boldea boldus* (Mol.) Looser  
 3076 ~~comp~~ *Lapsana communis* L.  
 3077 *Veronica persica* Poir.  
 3078 *Buddleia globosa* Lam.  
 3079 *Baccharis paniculata* DC.  
 3080 *Galinsoga parviflora* Cav.  
 3081 *Lythrum hyssopifolia* L.  
 3082 *Dioscorea variifolia* Bertero (= Jaffuel 1271, 1272 & 1273)  
 3083 *Rumex crispus* L.  
 3084  
 3085 ~~comp-etic~~ *Hypochaeris* sp.  
 3086 *Verbena lispida* R. & P.

- 3087 *Navarretia involucreta* R. & P.
- 3088 ~~Crucifera~~ *Crucifera*. Species & genus unrecognized. Please send specimens showing mature fruit.
- 3089 *Loasa floribunda* Hook.
- 3090 *Dioscorea bryoniaefolia* Poepp. + *D. variifolia* Bert. + *D. saxatilis* Poepp.?
- 3091 *Psilocarphus chilensis* (Remy) Meigen
- 3092 *Chaetanthera incana* Poepp.
- 3093 *Tropaeolum ciliatum* R. & P.
- 3094 *Epilobium* sp.
- 3095 ~~rhama~~ *Trova trinervea* Gill. & Hook.
- 3096 *Chaetanthera serrata* R. & P.
- 3097 ~~Scirpus~~ *Cyperus reflexus* Vahl
- 3098 ~~irid~~ *Alouha pulchella* Sweet
- 3099 *Scirpus riparius* Presl.
- 3100 *Puya violacea* (Brong.) Mez. var.
- 3101 *Adesmia Pirioni* n. sp.
- 3102 *Pectocarya linearis* (R. & P.) DC.
- 3103 *Lepidium* sp. = No. 3045 of 3045
- 3104 *Gilia laciniata* R. & P.
- 3105 *Orthocarpus attenuatus* Gray
- 3106 *Stachys truncata* Kunze
- 3107 *Plagiobothrys procumbens* (Colla) Gray
- 3108 *Calandrinia compressa* Schrad.
- 3109 ~~Calandrinia~~ *Monocosmia monandra* (R. & P.) Pax
- 3110 *Adesmia propinqua* Clos + *Adesmia phylloidea* Clos.
- 3111 *Calandrinia axilliflora* Barn.
- 3112 ~~polygon~~ *Lastarriaea chilensis* Remy
- 3113 *Calandrinia compressa* Schrad.
- 3114 *Cardamine chilensis* DC.
- 3115 *Erodium chilensis* Johnston
- 3116 *Erodium botrys* (Lam.) Bert.

- 3117 ~~comp-inul~~ *Facelis retusa* (L.) Sch. Bip. var. *chilensis* (F. & M.) Baker
- 3118 ~~isid.~~ *Sisyrinchium*? sterile
- 3119 ~~comp-inul~~ *Lathenia obtusifolia* Cass.
- 3120 *Dioscorea saxatilis* Poepp.? + *D. variifolia* Bert.
- 3121 *Leucheria glandulosa* Don
- 3123 *Gnaphalium Chamissonis* DC.
- 3123 *Gnaphalium* sp. = no. 894.
- 3124 *Cerastium viscosum* L.
- 3125 *Plectritia samolifolia* (DC.) Hook.
- 3126 ~~comp-inul~~ *Filago gallica* L.
- 3127 *Valeriana* sp. Please collect a better specimen.
- 3128 *Medicago hispida* Gaertn.
- 3129 *Alstroemeria pulchra* Sims
- 3130 *Chorizanthe paniculata* Benth.
- 3131 *Juncus Dombeyanus* Gay
- 3132 *Carex pseudo-cyperus* L.
- 3133 *Eleocharis palustris* R. Br.
- 3134 *Cryptantha clandestina* (Trev.) Johnston
- 3135 *Malesherbia linearifolia* (Cav.) Poir.
- 3136 *Downingia pusilla* (Poepp.) Torr } Please make some abundant new
- 3137 " " " " } collections to show corolla-structures
- 3138 *Crassula peduncularis* (Sm.) Reiche
- 3139 *Ranunculus bonariensis* Poir.
- 3140 *Amaranthus diflexus* L.
- 3141 ~~141~~ *Conanthera bipolia* R. & P.
- 3143 *Godetia tenella* (Cav.) Steud.
- 3143 *Gochmatia rigida* Don
- 3144 ~~Apium~~ *Umbellifera* - not recognized
- 3145 *Plantago truncata* Cham. subsp. *forma* Pilger
- 3146 *Adesmia radiciifolia* Clos

- 3147 *Plagiobothrys (allocarya) procumbens* (Colla) Gray  
 3148 *Galium suffruticosum* H. & A.  
 3149 *Euphorbia Peplus* L.  
 3150 ~~Loasa~~ *Scyphanthus stenocarpus* (Bebb.) ~~Gray~~ Z. & G.  
 3151 *Plantago hispidula* R. & P.  
 3152 *Plantago* ~~truncata~~ *truncata* Cham., subsp. *firma* Pilger  
 3153 *Plantago hispidula* R. & P.  
 3154 ~~serep~~ *Alonsoa incixifolia* R. & P.  
 3155 ~~lil~~ *Leucocoryne isiolides* (Hook.) Lindl.  
 3156 *Erodium chilense* Johnston  
 3157 ~~myrt~~ *Myrcogenia Petra* Berg  
 3158 *Pasithea caerulea* (R. & P.) Don  
 3159 *Sisyrinchium* sp.  
 3160 *Bodens pilosa* L.  
 3161 *Calandrinia arenaria* Schrad.  
 3162 ~~comp~~ *Podanthus Mitigui* Lindl.  
 3163 *Baccharis marginalis* DC.  
 3164 *Ranunculus bonariensis* Poir.  
 3165 ~~orchid~~ *Asarca cinnata* Lindl. det Ames  
 3166 ~~comp~~ *Soliva sessilis* R. & P.  
 3167 *Oxalis lobata* Sims  
 3168 *Geranium Robertianum* L.  
 3169 *Calceolaria glandulosa* Poepp.  
 3170 ~~myrt~~ *Myrcogenia stenophylla* Berg  
 3171 *Galium aparine* L.  
 3172 ~~Nasturtium~~ *Roripa Nasturtium-aquaticum* (L.) Sch. & Thell.  
 3173 ~~caryop~~ *Sagina* sp. please collect this with fruit. cf. nos. 3203, 3204.  
 3174 *Spergula arvensis* L.  
 3175 ~~lil~~ *Nothoscordium gramineum* (Sims) Beauv.  
 3176 *Calandrinia compressa* Schrad.  
 3177 *Geranium Bosterianum* Colla

- 3178 *Plantago lanceolatum* L.
- 3179 *Plagiobothrys fulvus* (H. & A.) Johnston
- 3180 ~~Pentstemon~~ *Cardionema ramosissima* (Wienm.) Nels. & Macbr.
- 3181 *Calceolaria glandulosa* Poepp.
- 3182 ~~Boottionea~~ *Boottionea thesanthoides* Colla
- 3183 *Anoda hastata* Cav.
- 3184 ~~caryop~~ *Tolycarpon tetraphyllum* L.
- 3185 ~~Scilla~~ *Scilla chloroleucum* (Lindl.) Kaulf.
- 3186 ~~Conanthera~~ *Conanthera campanulata* Don
- 3187 *Phacelia pinnata* (R. & P.) Macbr.
- 3188 *Silene gallica* L.
- 3189 ~~comp~~ *Chrysanthemum* ~~sp~~ *parthenium* (L.) Pers.
- 3190 *Erodium cicutarium* (L.) L'Herit.
- 3191 ~~grass~~ *Chusquea Quila* Molina
- 3192 *Fumaria agraria* Lag.
- 3193 *Valeriana Bridgesii* H. & A.
- 3194 *Corrigiola squamosa* H. & A.
- 3195 *Plagiobothrys procumbens* (Colla) Gray
- 3196 *Calandrinia* sp. no flowers nor fruit.
- 3197 ~~Calandrinia~~ *Monocosmia monandra* (R. & P.) Bx
- 3198 *Calandrinia compressa* Schrad.
- 3199 *Juncus bufonius* L.
- 3200 *Calandrinia ramosissima* H. & A.
- 3201 *Galium murale* All.
- 3202 ~~Prim~~ *Pelletiera verna* St. Hil.
- 3203 ~~caryop~~ *Sagina* sp. cf. no. 3173
- 3204 — *Sagina* sp. " " "
- 3205 ~~Alchemilla~~ *Alchemilla Looseri* Rothmaler
- 3206 *Cotula australis* Hook.
- 3207 *Chaetanthera incana* Poepp.
- 3208 *Callitriche turfosa* Bertero

- 3209 *Cestrum Parqui* L'Herit  
 3210 *Escallonia revoluta* (R. & P.) Pers.  
 3211 *Convolvulus dissectus* Cav.  
 3212 ~~Lab~~ *Lamium amplexicaule* L.  
 3213 *Plantago hispidula* R. & P.  
 3214 *Plantago* sp. Please make new and better collections of this.  
 3215 *Veronica anagallis-aquatica* L.  
 3216 *Aster Haplopappus* (Remy) Kunze  
 3217 *Calceolaria thrysiiflora* Graham.  
 3218 *Oxalis corniculata* L.  
 3219 *Trifolium filiforme* L.  
 3220 *Solanum* sp.  
 3221 ~~Coryza~~ *Erigeron* sp. = 3007  
 3222 *Tillandsia usneoides* L.  
 3223 *Xanthium spinosum* L.  
 3224 *Chenopodium* sp.  
 3225 ~~reum~~ *Trevoa trinervea* Gill. & Hook.  
 3226 *Gnaphalium cymatoides* Kunze  
 3227 *Gnaphalium* sp. Very interesting. Please collect better specimens.  
 3228 ~~comp~~ *Aster exilis* Ell.  
 3229 *Baccharis sagittalis* DC.  
 3230 *Cotula australis* Hook.  
 3231 *Medicago sativa* L.  
 3232 *Boerhaavia caribaea* Jacq.  
 3233 *Cerastium viscosum* L.  
 3234 *Polygonum* sp.  
 3235 *Datura stramonium* L.  
 3236 ~~Irid~~ *Splenomelus pedunculatus* (Gillies) Hochr.  
 3237 *Cynoglossum paniculatum* H. & A.  
 3238 *Juncus cyperoides* Laharpe  
 3239 ~~comp~~ *Lasthenia obtusifolia* Cass.

- 3240 ~~comp~~ *Lasthenia obtusifolia* Cass.  
 3241 ~~comp~~ *Specularia perfoliata* (L.) DC.  
 3242 ~~polygal~~ *Monum Monnina linearifolia* R. & P.  
 3243 ~~seroph~~ *Bartsia chilensis* Benth.  
 3244 *Solanum villosum* Lam.  
 3245 ~~Sanicula~~ *Torilis nodosa* Gaertn.  
 3246 ~~cruc~~ *Rapistrum orientale* DC.  
 3247 *Mirabilis Jalapa* L.  
 3248 ~~comp~~ *Filago gallica* L.  
 3249 ~~umbel~~ *Osmorhiza Berterii* DC.  
 3250 *Scirpus cernuus* Vahl  
 3251 *Azara serrata* R. & P.  
 3252 ~~shrub~~ *Azara celastroides* Don  
 3253 ~~comp~~ *Hypochaeris* sp.  
 3254 *Adesmia tenella* H. & A.  
 3255 *Berberis* sp. Very interesting! please collect in better condition.  
 3256 ~~sc~~ *Physalis peruviana* L.  
 3257 *Paronychia chilensis* DC.  
 3258 *Alstroemeria* sp.  
 3259 ~~amaryl~~ *Hippeastrum advinum* Herb.  
 3260 *Limosella aquatica* L.  
 3261 *Scirpus cernuus* Vahl.  
 3262 ~~umbel~~ *Umbellifera*; unrecognized  
 3263 *Mirabilis (Oxybaphus)* sp. no flowers nor fruit.  
 3264 *Urtica magellanica* Poir.  
 3265 ~~Nasturtium~~ *Roripa Nasturtium-aquatica* (L.) Sch. & Thell.  
 3266 ~~polygal~~ *Polygala stricta* Gay  
 3267 *Gnaphalium* sp.  
 3268 *Vicia nigricans* H. & A.  
 3269 *Cassia Closiana* Ph.  
 3270 ~~lab~~ *Melissa officinalis* L.



- 3271 *Dipsacus Fullonum* L.  
 3272 *Vicia sativa* L.  
 3273 ~~rham~~ *Colletia hystria* Gillies  
 3274 *Scirpus asper* Presl.  
 3275 *Typha domingensis* Pers.  
 3276 *Puya violacea* (Brong.) Mez var *intermedia* Smith & Looser  
 3277 *Apium ammi* (Jacq.) Urban  
 3278 ~~+++~~ *Brodiaea violacea* (Kunth) Baker  
 3279 *Cynoglossum paniculatum* H & A.  
 3280 ~~Armeria~~ *Armeria curvifolia* Bertero  
 3281 *Escallonia pulchra* ~~pulverulenta~~ var. *glabra* Engler  
 3282 ~~+++~~ *Hydrangea integerrima* (H & A.) Engler  
 3283 *Solanum* sp.  
 3284 *Cassia Cloviana* Ph.  
 3285 *Astragalus procumbens* H & A.  
 3286 *Senecio Cumingii* H & A.  
 3287 *Sambucus australe* C. & S.  
 3288 *Lobelia polyphylla* H & A.  
 3289 *Relbunium hypocarpum* (L.) Hemsl.  
 3290 *Ranunculus muricatus* L.  
 3291 *Mentha Pulegium* L.  
 3292 *Vicia nigricans* H & A.  
 3293 ~~Carex~~ *Juncus Dombeyanus* Jacq? too young.  
 3294 *Juncus* sp? too young.  
 3295 *Eupatorium glechonophyllum* Less.  
 3296 ~~meib~~ *Sphaeralcea obtusiloba* Don  
 3297 *Lathyrus dumetorum* Ph.  
 3298 *Geranium intermedium* Colla  
 3299 *Fumaria capreolata* L.  
 3300 *Plagiobothrys fulvus* (H & A.) Johnston  
 3301 *Cyperus vegetus* Willd.

- 3302 Cyperus *reflexus* Vahl  
 3303 Plagiobothrys *fulvus* (H.A.) Johnston  
 3304 Verbena *litoralis* HBK.  
 3305 Verbena *hispida* R. & P.  
 3306 Verbena *bonariensis* L.  
 3307 ~~comp~~ *Cephalophora aromatica* Schrad.?  
 3308 ~~Scirpus~~ *Cyperus reflexus* Vahl.  
 3309 Juncus *Dombeyanus* Gay  
 3310 Stachys *grandidentata* Lindl  
 3311 Calceolaria *petiolaris* Cav.  
 3312 Calceolaria *glandulosa* Poepp.  
 3313 Hypochaeris *sp.*  
 3314 Chenopodium *multifidum* L.  
 3315 Chenopodium *ambrosioides* L. ? no leaves  
 3316 Chenopodium. *ambrosioides* L.

- 3504 Calandrina *Gilliesii* H & A.  
3505 Nassauvia *spinosa* (Remy) Reiche  
3506 Cerastium *arvense* L.  
3507 ~~sent~~ *Ajona andina* Th.  
3508 Astragalus *Arnothianus* (H & A.) Reiche  
3509 Astragalus *Cruckshanksii* H & A.  
3510 Nassauvia *uniflora* (Don) Hauman  
3511 Adesmia *decumbens* Ph.  
3512 Mutisia *taraxacifolia* Less  
3513 Mutisia *linearifolia* Remy  
3514 ~~loren~~ *Phrygilanthus heterophyllus* (R & P.) Eichler  
3515 ~~myrt~~ *Eugenia chequen* H & A.  
3516 ~~leg~~ *Anarthrophyllum Cumingii* (H & A.) Reiche  
3517 Phacelia *pinnata* (R & P.) Muellb.  
3518 ~~verb~~ *Verbena scoparia* Gillies  
3519 Perezia *carthamoides* (Don) H & A.  
3520 ~~sol~~ *Jaborosa caulescens* Gillies  
3521 Nassauvia *Lugascas* (Gill!) Meyen forma *glabrescens*.  
3522 Gnaphalium *cymatoides* Kunze?  
3523 Calandrinia *rupestris* Barn.  
3524 Senecio *depressus* H & A.  
3525 Hordeum *comosum* Presl.  
3526 Hordeum *comosum* Presl.  
3527 Cardamine *nivalis* Gillies  
3528 ~~sol~~ *Jaborosa caulescens* Gillies  
3529 Anemone *chilensis* Gay  
3530 Alstroemeria *sp.*  
3531 Calceolaria *biflora* Lam?  
3532 Stachys *grandidentata* Lindley

- 3533 *Cynanchium nummulariifolium* H. & A.
- 3534 *Poa* sp.
- 3535 *Chuquiraga oppositifolia* Don
- 3536 *Gymnophyton polycephalum* Clos
- 3537 *Descursainea diversifolia* Schulz.
- 3538 *Senecio Donianus* H. & A.
- 3539 *Phacelia pinnata* (R. & P.) Macbride
- 3540 *Tropaeolum polyphyllum* Cav.
- 3541 *Senecio crithmoides* H. & A.
- 3542 *Sanicula graveolens* Poepp.
- 3543 *Trisetum spicatum* (L.) Rich.
- 3544 ~~Phleum~~ *Phleum alpinum* L.
- 3545 *Physalis viscosa* L.
- 3546 *Azara Gilliesii* H. & A.
- 3547 *Leucheria* sp.
- 3548 *Cryptantha glomerulifera* (Ph.) Johnston
- 3549 ~~Aplopappus~~ *cuneifolius* Nutt.
- 3550 *Escallonia arguta* Presl
- 3551 *Senecio Donianus* H. & A.
- 3552 *Schizanthus Hookeri* Gillies
- 3553 ~~sola~~ *Nicotiana* ?
- 3554 *Leucheria microcephala* Reiche
- 3555 *Senecio Donianus* H. & A.

Letter of Nov. 15, 1937 in file under Perian.

Plants from Termas de Chillan, Chile, collected by Father Jaffuel, Feb. 1937  
determined at the Gray Herbarium by I.M. Johnston, Jan. 1938.

- 3710 Gentiana *Pearcei* Phil.  
3711 Cardamine *cordata* Barn.  
3712 Caltha *andicola* (Gray) Walp.  
3713 Gnaphalium *Chamissonis* DC.  
3714 Gnaphalium *sp.*  
3715 ~~Myrrhis~~ *Myrrhis Renjifoana* Phil.  
3716 Calandrinia *gayana* Barn.  
3717 ~~Osmorhiza~~ *Myrrhis Renjifoana* Phil.  
3718 ~~Senecio~~ *Oursia alpina* Poepp. & Endl.  
3719 ~~Myrteola~~ *Myrteola leucomyrtillus* (Griseb.) Reichb.  
3720 Calceolaria *sp.*  
3721 Plantago *barbata* Forst. *var pauciflora* (Hook.) Pilger  
3722 ~~Oenothera~~ *Stenodraba chillanensis* (Phil.) Schulz  
3723 Valeriana *macrorrhiza* Poepp.  
3724 Senecio *sp.* (no flowers)  
3725 Armeria *andina* Poepp.  
3726 Draba *Gilliesii* Hook.  
3727 Senecio *Hieracium Remy*  
3728 Epilobium *nivale* Meyer  
3729 Mimulus *sp.* (no 3757)  
3730 Azara *alpina* Poepp. & Endl.  
3731 Nassauvia *nivalis* Poepp. & Endl.  
3732 Loasa *lateritia* Gillies  
3733 Senecio *sp.* (no flowers)  
3734 Viola *Buchtienii* Gandoger  
3735 Viola *Buchtienii* Gand.  
3736 Sisyrinchium *junaforme* Poepp.  
3737 Quinchamalium *chilensis* Molina  
3738 ~~Marippospermum~~ *Marippospermum Philippi* (Bucht.) Hamman

- 3739 Euphrasia *chrysantha* Phil.  
 3740 Lomatia *chilensis* Gay.  
 3741 ~~calceol~~ Gamocarpha *angustifolia* Phil.  
 3742 ~~Desoria~~ Desoria *glechonoides* (Rich.) Muell. Arg.  
 3743 Loasa *felicifolia* Poepp.  
 3744 Cerastium *abovensis* L.  
 3745 ~~Boopis~~ Boopis *spatulata* Phil.  
 3746 Berberis *montana* Gay  
 3747 Berberis *empetrifolia* Lam.  
 3748 Viola *catyledon* Jeng.  
 3749 Polygala *thesioides* Willd.  
 3750 Empetrum *rubrum* Vahl  
 3751 Pernettya *sp.*  
 3752 ~~calceol~~ Gamocarpha *alpina* (Poepp.)  
 3753 Nothofagus *antarctica* Forst.  
 3754 Nothofagus *pumilio* (Poepp. & Endl.) Krauss.  
 3755 Mimulus *sp.* = ~~3729~~  
 3756 ~~Ourisia~~ Ourisia *Poeppigii* Benth.  
 3757 Mimulus *sp.* (= no 3729)  
 3758 Stachys *Gilliesii* Benth.  
 3759 Gunnera *magellanica* Lam  
 3760 Azorella *Lycopodioides* Gaud.  
 3761 Gentiana *Pearcei* Phil.  
 3762 ~~Loranth~~ Myoschilos *oblongum* R. & P.  
 3763 Calceolaria *tenella* Poepp. & Endl.  
 3764 Nassauvia *Lycopodioides* Phil.  
 3765 Osmorrhiza *Berteri* DC.  
 3766 Acaena *ovalifolia* R. & P.  
 3767 Rubus *radicans* Cav.  
 3768 Trifolium *repens* L.  
 3769 Trifolium *pratense* L.

- 3770 ~~Calce~~ *Calycera leucanthema* (Poepp.) Reiche  
 3771 *Adesmia* sp.  
 3772 *Calandrinia umbellata* var (= 2788)  
 3773 *Adesmia emarginata* Clos.  
 3774 *Saxifraga Pavonii* Don  
 3775 *Oxalis valdiviensis* Barn.  
 3776 *Valeriana carnososa* Sm.  
 3777 *Solanum* sp.  
 3778 *Gnaphalium* sp.  
 3779 *Alstroemeria ligata* L.  
 3780 *Fuchsia magellanica* Lam.  
 3781 *Phacelia* sp.  
 3782 ~~serotina~~ *Oreisia microphylla* Poepp. & Endl.  
 3783 *Calceolaria biflora* Cav. ~~dentata~~ Poepp. (= no. 2764)  
 3784 *Calceolaria biflora* Cav.  
 3785 *Convolvulus arvensis* L.  
 3786 *Hypochaeris* sp.  
 3787 *Calceolaria* ~~montana~~ <sup>foliosa</sup> Phil  
 3788 *Escallonia Carmelita* Meyen  
 3789 *Heliotropium peronychioides* DC.  
 3790 *Aplopappus marginalis* Phil?  
 3791 *Aplopappus grunedioides* (Less.) DC.  
 3792 *Senecio* sp.  
 3793 *Senecio Gayanus* DC.  
 3794 *Hypochaeris* sp.  
 3795 *Perezia pedicularioidifolia* Less.  
 3796 *Leucheria thermarum* (Phil.) Reiche  
 3797 *Erigeron* sp. (specimen too poor)  
 3798 *Erigeron* ~~crater~~ sp. (too poor)  
 3799 *Senecio* sp.  
 3800 ~~comp. - Gnaphal. - Leucila~~ *Lucilia frigida* (Poepp.) Reiche

- 3801 Hypochaeris *acaulis* (Remy) Reiche  
 3802 Lychnis *sp.*  
 3803 Hypochaeris *sp.*  
 3804 ~~Baccharis~~ *Baccharis umbelliformis* DC.  
 3805 Aster *glabrofolius* (DC) Reiche  
 3806 Perezia *pilifera* H. & A.  
 3807 Senecio *chilensis* Less.?  
 3808 ~~comp. act~~ *Chiliotrichum rosmarinifolium* Less.  
 3809 Adesmia *compacta* Ph.  
 3810 Erigeron *andicola* DC.  
 3811 Senecio *Gayanus* DC.  
 3812 Crepis *capillaris* (L.) Wallr.  
 3813 Senecio *sp.*  
 3814 Calamagrostis *sp.*  
 3815 ~~Calamagrostid~~ *Danthonia*  
 3816 Phleum *alpinum* L.  
 3817 Poa *sp.*  
 3818 Polypogon *crinatus* Trin.  
 3819 Dactylis *glomerata* L.  
 3820 Carex *sp.*  
 3821 ~~Danthonia~~ *Bromus unioloides* H. & A.  
 3822 Paspalum *vaginatum* Sw.  
 3823 ~~Syntherisma~~ *Digitaria*  
 3824 Agrostis *sp.*  
 3825 Danthonia *picta* Nees & Meyen  
 3826 Poa *sp.* = no 3860  
 3827 ~~Trisetum~~ *Calamagrostis*  
 3828 ~~grass~~ *Gnossurus echinatus* L.  
 3829 *Digitaria* *sp.*  
~~Syntherisma~~ (equals 3823)  
 3830 Poa *sp.*  
 3831 Trisetum *sp.*



- 3832 Elymus *angulatus* Presl  
 3833 Agrostis *sp.*  
 3834 Poa *sp.*  
 3835 Carex *Macloviana* D'Urv.  
 3836 Carex *Banksii* D'Urv. ?  
 3837 Luzula *chilensis* Nees & Meyen  
 3838 Luzula "  
 3839 Juncus *stipulatus* Nees & Meyen  
 3840 Carex *andina* Phil.  
 3841 ~~junc~~ *Marsippospermum Philippi* (Ducht.) Hauman  
 ✓ 3842 Schoenus  
 3843 Juncus *chilensis* Gay?  
 3844 Carex *Macloviana* D'Urv.  
 3845 Juncus *imbricatus* Laharpe  
 3846 Juncus *balticus* L.  
 3847 Carex *decidua* Boott.  
 3848 Eleocharis  
 3849 Carex *Banksii* Boott.  
 3850 Valeriana *macrorrhiza* Poepp.  
 3851 Vicia *heterophylla* Phil.  
 3852 Calceolaria *byflora* Cav.  
 3853 Viola *sp.* (= no. 2844)  
 3854 Sisyrinchium *junciiforme* Poepp.  
 3855 ~~Juncus~~ *Plantago barbata* Forst., *var pauciflora* (Hook.) Pilger  
 3856 *Plantago lanceolata* L.  
 3857 Cystopteris *fragilis* (L.) Bernh.  
 3858 ~~Polystichum mohrioides~~ *Blechnum penna-marina* Poir.  
 3859 *Blechnum sp.* (specimen lacks sporangia)  
 3860 ~~grass~~ *Poa*  
 3861 *Draba gilliesii* H. & A.  
 3862 *Senecio chilensis* Less.

- 3863 Veronica *serpyllifolia* L.  
 3864 Adesmia *axillaris* Phil.  
 3865 Galium *fuegianum* Hook.  
 3866 Perezia *mutans* Less  
 3867 Valeriana *laxiflora* DC.  
 3868 ~~orchid~~ *Asarca Commersonii* Hook.  
 3869 Valeriana *carnosa* Sm.  
 3870 ~~Lathyrus~~ *Vicia apiculata* Ph.  
 3871 Lathyrus *multiceps* Clos.  
 3872 Geranium *magellanicum* Hook.  
 3873 Geranium *submolle* Steud.  
 3874 Polygonum *lapathifolium* L. (= no. 32 34)  
 3875 ~~rham.~~ *Discaria serratifolia* (Miers) Benth. Hook.  
 3876 Calceolaria *biflora* Cav.  
 3877 Valeriana *carnosa* Sm.  
 3878 ~~Pernettya~~ *Pernettya leucocarpa* DC  
 3879 Ranunculus *peduncularis* Sm.  
 3880 Berberis *empetrifolium* Lam.

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no 3020  
 3647) *Luzula Leiboldii* Buchten (not *L. chilensis*)

Plants of Chile and Peru received from Father Pirion, Jan. 1938.  
determined at the Gray Herbarium by I. M. Johnston

135 numbers

- 3890 Polypogon *lutosus* (Pers.) Hitchc.  
3891 Bromus *unioloides* HBK  
3892 Cenchrus *myosuroides* HBK.  
3893 ~~Scirpus~~ *Cyperus alternifolius* L.  
3894 ~~Paspalum~~ *Eriochloa punctata* (L.) Desv.  
3895 Scirpus *americanus* Pers.  
3896 Scirpus *cernuus* Vahl  
3897 Solanum *nigrum* L.  
3898 Melilotus *indica* (L.) All.  
3899 Coldenia *peryonichiaoides* Phil  
3900 Cestrum *auriculatum* R. & P.  
3901 Lippia *reptans* HBK  
3902 Verbena *hispida* R. & P.  
3903 Waltheria *ovata* Cav.  
3904 Clematis *Hilarii* Spreng.  
3905 Alternanthera *halimifolia* (Lam.) Standley  
3906 Trixis *radialis* (L.) Lag.  
3907 Ambrosia *sp.*  
3908 Grindelia *glutinosa* (Cav.) Dunal  
3909 Nicotiana *glauc* Graham  
3910 Lycopersicum *peruvianum* Mill.  
3911 Equisetum *giganteum* L. det. Weatherby.  
3912 Phragmites ?  
3913 Lycopersicum *peruvianum* Mill.  
3914  
3915 *Nolana Gayana* (Gand.) Koch.  
3916 Paspalum *sp.*  
3917 ~~er~~ *Eriochloa punctata* (L.) Desv.  
3918 Polypogon *elongatus* HBK  
3919 ~~er~~ *Eriochloa punctata* (L.) Desv.

amc  
Sept  
June

- Pirion 3
- 3920 ~~grasses 2~~ *Setaria geniculata* (Lam.) Beauv.
- 3921 Sporobolus ~~Ber~~ *Berteroanus* (Trin.) Hitch. & Chase
- 3922 ~~grasses~~ *Ichnanthus minarum* (Nees) Doell
- 3923 Cynodon *Dactylon* (L.) Pers.
- 3924 Bouteloua sp.?
- 3925 ~~grasses~~ *Setaria geniculata* (Lam.) Beauv.
- 3926 *Echinochloa crus-galli* L.
- 3927 *Spergularia pycnantha* Roebb. ined. (= no. 1164 and 2647)
- 3928 Senecio *Brunonianus* H. & A.
- 3929 Cassia *cognimbensis* Vog
- 3930 *Heliotropium arborescens* L.
- 3931 *Heliotropium pilosum* Rob. var. *albatum* Johnston
- 3932 *Nolana humifusa* (Gouan) Johnston
- 3933 *Oenothera rosea* Ait.
- 3934 *Oenothera laciniata* Hill.
- 3935 *Tournefortia microcalyx* (R. & P.)
- ~~3915 Nolana~~

- ✓  
Concepcion
- 3936 Cynodon *Dactylon* (L.) Pers.  
3937 Distichlis *halanica* (HBK) Desv.  
3938 Bromus *unioides* HBK.  
3939 Eleocharis *bonariensis* Nees  
3940 Scirpus *sp.*  
3941 Scirpus *nodosus* Rottb.  
3942 Scirpus *sp.*  
3943 Scirpus *repens* Presl  
3944 Calandrinia *glauca* Schrad.  
3945 --- nix  
3946 Astragalus *amatus* Clos  
3947 Astragalus *Edmonstonei* (Hook.) Robins.  
3948 Sisyrinchium *gracilifolium* Lendl.  
3949 Nolana *paradoxa* Lendl.  
3950 Convolvulus *Soldanella* L.  
3951 Polygonum *chilense* Koch.  
?, 3953 Tweedia *confertiflora* (Dane.) Malme.  
3953 Leucheria *senecioides* HBK.  
3954 Gnaphalium *Chamissonis* DC.  
3955 Plantago *hispidula* R. & P.  
3956 Oenothera *sp.*  
3957 Rumex *cuneifolius* Campd.  
3958 Eleocharis *bonariensis* Nees  
3959 Oenothera *contorta* Dougl.  
3960 ~~grass~~ *Nassella chilensis* Desv.  
3961 ~~Mullenbergia~~ *Poa* *sp.*  
Concepcion. 3962 Melica *violacea* Cav.  
3963 Briza *subaristata* Lam.  
3964 Briza *subaristata* Lam.  
3965 Briza *maxima* L.  
3966 ~~Stipa~~ *Nassella*  
3967 Hordeum *chilense* Brong.

- 3968 *Trisetum spicatum* (L.) Richt.  
 3969 *Festuca* sp.  
 3970 *Poa* sp.  
 3971 *Poa* sp.  
 3972 ~~grass~~ *Piptochaetium tuberculatum* Desv.  
 3973 *Bromus rigidus* Roth.  
 3974 *Polypogon crinitus* Trin  
 3975 *Danthonia chilensis* Desv.  
 3976 *Osmorrhiza Berteri* DC.  
 3977 *Solanum* sp. (= 1102904)  
 3978 *Solanum crispum* R. & P.  
 3979 *Sanicula liberta* C. & S.  
 3980 ~~comp~~ *Calendula arvensis* L.  
 3981 *Calceolaria* sp.  
 3982 *Ribes punctatum* R. & P.  
 3983 *Verbena laciniata* (L.) Bory.  
 3984 *Chaptalia exscapa* (Pers.) Baker  
 3985 ~~comp~~ *Chevreulia lanceolata* Remy  
 3986 *Gnaphalium americanum* Mill.  
 3987 *Oxalis parvifolia* DC.  
 3988 *Oxalis rosia* Jagg.  
 3989 *Nasturtium* sp. (specimen poor)  
 3990 ~~comp~~ *Chiropetalum triacuspdatum* (Lam.) Juss.  
 3991 ~~comp~~ *Micropsis nana* DC.  
 3992 ~~comp~~ *Hymenophyllum tunbridgense* (L.) Sm. det. Weatherby.  
 3993 *Alchemilla arvensis* (L.) Scop.  
 3994 *Geranium intermedium* Colla  
 3995 *Oenothera stricta* Ledeb. and *Oe. mollissima* L.  
 3996 ~~comp~~ *Luzuriaga radicans* R. & P.  
 3997 *Betula pendula* Roth det. Rehder  
 3998 *Lathyrus hookeri* Don

- 3999 *Vicia sativa* L.  
 4000 *Centella triflora* (R. & P.) Maunf.  
 4001 *Stachys Macraei* Benth  
 4002 *Nothoscordium gramineum* (Lam.) Beauv  
 4003 " " " "  
 4004 ~~comp~~ *Anthemis mixta* L?  
 4005 *Myosotis azorica* Wats.  
 4006 *Calandrinia compressa* Schrad.  
 4007 orchid  
 4008 orchid  
 4009 *Peronychia chilensis* DC.  
 4010 *Linum selaginoides* Lam.  
 4011 *Spergularia rubra* (L.) Presl  
 4012 *Veronica arvensis* L.  
 4013 *Hybanthus parviflorus* (Munz.) Baill.  
 4014 ~~fern~~ *Polystichum* sp.  
 4015 ~~fern~~ *Hypolepis punctata* (Thunb.) Mett. sens. lat.  
 4016 ~~fern~~ *Blechnum asperum* (Kl.) Sturm sed segmentis subfalcatis acutis.  
 4017 ~~fern~~ *Polypodium Feuillesi* Bert.  
 4018 ~~fern~~ *Asplenium trilobum* Cav.  
 19 + *Asplenium doreoides* Desv.  
 29 + *Trechomanes exsectum* Kze.  
 21 ~~fern~~ *Adiantum chilense* Kaulf.  
 22 ~~fern~~ *Blechnum auriculatum* Cav.  
 4023 *Spergularia villosa* (Pers.) Camb. (= no. 637, 639 and 2992)  
 4024 *Spergularia* " " "  
 4025 ~~Boerhaavia~~ *Morabilis prostrata* (R. & P.) Hermsch (= no. 825)

Det. Weatherly